METHODS AND APPARATUS FOR GENERATING DRAWINGS FROM COMPUTER GENERATED MODELS

ABSTRACT OF THE DISCLOSURE

A drafting system that automatically generates digital drawings from a computer generated model of a bracket is described. The drafting system includes a data storage device which stores information relevant to a plurality of users including a plurality of orthographic projection rules. After the computer generated model of the bracket is introduced to the system, a plurality of drawing functions generate weld information, dimensions, and cross references to parts lists that are assigned to the bracket. Additionally, a plurality of editing features enable the user to edit objects automatically inserted within the drawings by the drafting system.